



## PATENT ABSTRACTS OF JAPAN

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(54) **REFLECTION-REDUCED GLASS FOR VEHICLE**

50-70° to the perpendicular on the layer 7 surface.

(57) Abstract:

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**PURPOSE:** To provide the title glass designed to improve its see-through ability and safety by providing a transparent glass substrate with specific thin film coating layers to reduce the reflectance of the reflected light of obliquely incident visible rays.

**CONSTITUTION:** Firstly, an inside glass plate 3 is immersed in an alkoxide solution, pulled up and heated to coat the outside of said plate 3 with the first thin  $\text{SiO}_2$  film layer 5 with a refractive index  $n_1$  of 1.8-1.9 and a thickness of 700-1000 $\text{\AA}$ . Second by, the layer 5 is coated with the second thin film layer 6 consisting of  $\text{Ta}_2\text{O}_5$ , etc., with a refractive index  $n_2$  of 2.05-.3 and a thickness of 1300-1600 $\text{\AA}$ . Third by, the layer 6 is coated with the third thin film layer 7 with a refractive index  $n_3$  of 1.4-1.5 and a thickness of 1100-1300 $\text{\AA}$ . Then, the resulting plate 3 is put to laminating with an outside glass plate 2 and an interlayer 4, thus obtaining the objective glass 1 ensuring the reflectance of the layer 7 surface to be reduced by 4.5-6.5% compared to that of conventional glass surface with no coating for the visible rays on the film surface side at an angle of incidence of

